

BULATOV, M.I.; ALASHKOVSKY, V.R.

Adsorption of metal ions by activated silicon from solutions of
nitrogen-containing bases. Zhur. prikl. khim. 37 no.10:2165-
2170 (1964). (MIRA T-11)

ALESKOVSKIY, V.B., prof.; BARDIN, V.V.; BOYCHINOVA, Ye.S.;
BULATOV, M.I.; VASIL'YEV, V.P.; DOBYCHIN, S.L.; DUSHINA,
A.P.; KALINKIN, I.P.; KEDRINSKIY, I.A.; LIBINA, R.I.;
PRIK, K.Ye.; SETKINA, O.N.; KHEYFETS, Z.I.; YATSIMIRSKIY
K.B., prof.; VASKEVICH, D.N., red.

[Physicochemical methods of analysis ; a laboratory manual]
Fiziko-khimicheskie metody analiza; prakticheskoe rukovod-
stvo. Moskva, Khimiia, 1964. 451 p. (MIRA 17:12)

BULATOV, M.V.

USSR/ Engineering - Machine tools

Card 1/1 Pub. 103 - 2/25

Authors : Borisenko, I. V.; Vragov, Yu. D.; and Bulatov, M. V.

Title : Plastic disc guide-wheels for vertical lathes

Periodical : Stan. i instr. 1, 5-8, Jan 1955

Abstract : A description is presented of the construction of textolite disc guide-wheels for the 1551 and 1553 vertical lathes, and results are given on testing the above discs under various operational conditions. Tables, graphs, drawing, illustration.

Institution :

Submitted :

PHASE I BOOK EXPLOITATION

SOV/4753

Safronovich, A.A., M.V. Bulatov, and A.M. Shurgin

Karousel'nyye stanki; konstruktsiya i ekspluatatsiya (Vertical Boring Mills: Construction and Operation) Moscow, Mashgiz, 1960. 174 p. 8,000 copies printed.

Managing Ed. for Literature on Metal Working and Machine-Tool Making (Mashgiz):
V.I. Mitin, Engineer; Ed. of Publishing House: N.A. Ivanova; Tech. Ed.:
V.D. El'kind.

PURPOSE: This book is intended for technical personnel concerned with the operation of vertical boring mills at factories and for operators interested in improving their skills. It may also be used by students at schools of higher technical education as supplementary material for the course on "Metal-Cutting Machine Tools."

COVERAGE: The authors describe the construction of Soviet and non-Soviet vertical boring mills. The book contains information on basic subassemblies, special constructional features, and modern constructions of these mills. Vertical boring mills are classified according to standard size and purpose. Trends in

Card 1/4

Vertical Boring Mills (Cont.)

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the construction of modern vertical mills are discussed and instructions are given for servicing and operating these mills. No personalities are mentioned. There are 30 references, all Soviet.

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Card 274

BULATOV, N.

Machine for duplicating technical drawings and papers. Prom.
koop.no.1:15-16 Ja '56. (MLRA 9:6)
(Copying processes)

L 36396-66 EWT(m)/T/EWP(t)/ETI IJP(c) RDW/JD
ACC NR: AP6018784 (A) SOURCE CODE: UR/0070/66/011/003/0480/0483

AUTHOR: Shalimova, K. V.; Bulatov, O. S.; Voronkov, E. N.; Dmitriyev, V. A.

ORG: Moscow Power Engineering Institute (Moskovskiy energeticheskiy institut)

TITLE: Producing cadmium telluride films with a hexagonal structure

SOURCE: Kristallografiya, v. 11, no. 3, 1966, 480-483

TOPIC TAGS: cadmium telluride, vacuum sublimation, crystal orientation, temperature dependence, x ray photography, x ray diffraction analysis, cubic crystal, crystal growth

ABSTRACT: A study was made of the crystal modification of CdTe films prepared by vacuum sublimation in argon (10^{-1} - 10^{-2} mm Hg) on glass substrates heated from 70° to 400°C. The original CdTe material was sublimated at 500° to 800°C and had a cubic modification. Some specimens were prepared by evaporating pure Cd and Te in the sublimation chamber. The crystal structures of the grown crystals were analyzed by x-ray diffraction and electron microscopy. In all cases, only crystals with cubic modifications were formed, the thinner films having (111) parallel to the substrate; by decreasing the substrate temperature and increasing the thickness, this orientation disappeared. When the original material was simultaneously evaporated with metallic Cd and Te, the structure became hexagonally modified. X-ray patterns of the cubic and hexagonally mod-

Card 1/2

UDC: 548.52 : 539.23

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ACC NR: AP6018784

dified crystals and a photograph of the CdTe hexagonal films are given. The amount and intensity of the hexagonal lines were related to the substrate temperature, speed of evaporation of the Cd and Te and the argon pressure. The greatest percentage of hexagonal phase was obtained at argon pressures of about 10^{-2} mm Hg. The interplanar distances and line intensities of the hexagonal CdTe crystals were tabulated for 22 different planes. The lattice parameters of hexagonal CdTe were determined: $a=4.58$ Å, $c=7.50$ Å and $c/a=1.637$. These data corresponded well with published results. Orig. art. has: 2 figures, 1. table.

SUB CODE: 20,11/ SUBM DATE: 03Jun65/ ORIG REF: 009/ OTH REF: 001

Card 2/2 MLC

BULATOV, N., DENISOV, V., KESSENIKH, V. N. and BAERALD, H.

"Ionosphere Observations During the Total Eclipse of the Sun, June
19, 1936,"
Zhur. Tekh. Viz., pp. 466-468, 1937

AIR

DULATOV, N. [D.]

Electronics

Choice of Waves for Stable Communication. N. Dulatov.
(Svaz' Krasnoi Armii (Moscow), 1943, pp. 45-48) U.S. Army
Air Forces Library (Washington), Translation No. 38, May '41.
1946. 11 pp., tables.

BULATOV, N. D.

"The Continental Effect in the Geographic ~~Key~~ Distribution of the
Electron Concentration in the F₂-Layer," Dokl. AN SSSR, 45, No.6, 1944

BULATOV, N. D.

PA 11T37

USSR/Solar Phenomena
Ionospheric measurements

Mar 1946

"Results of Ionosphere Measurements Made During the
Total Solar Eclipse of Jul 1945," N. D. Bulatov, 6 pp

"Izv Ak Nauk Ser Fiz" Vol X, No 3

Ten graphs showing the relationship between the time
of day and the critical frequency, absorption in the
lower layer of the ionosphere, intensity of the
electric field for various frequencies at various
observation stations.

11T37

BULATOV, N.D.; SEREBRYAKOVA, V.G.

Some results of using radio astronomy techniques in the study
of the solar eclipse of February 15, 1961. Radiotekhnika
17 no.10:21-24 0 '62. (MIRA 15:9)
(Radio astronomy) (Eclipses, Solar)

BULATOV, N.D.; KHRISTOVA, Ye.I.

High-speed processes in the ionosphere. Radiotekhnika 17
no.12:28-32 D '62. (MIRA 15:12)
(Ionosphere—Observations)

USSR/ Engineering - Reproduction processes

Card 1/1 Pub. 128 - 20/28

Authors : Pogodin, A. S., Eng.; Bulatov, N. I.; Yermanov, B. M., Eng.; and Burkov, V. I., Eng.

Title : Problems dealing with a non-mimeograph method of reproducing drawings

Periodical : Vest. mash. 35/6, 75 - 80, Jun 1955

Abstract : A series of letters submitted to the editor of this publication by various engineering personnel and the director of the Engineering Dept. of Wood and Paper Industry, dealing in photographic and ozalide (diazotype) reproduction of drawings are presented. General description of reproduction machinery and processes is given. One USSR reference (1950). Drawings.

Institution :

Submitted :

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420015-9

БЕЛАТЫХ, А. З.

SIL'VANCHUK, F.F.; BULATOV, N.I.; DUBROVA, K.D., redaktor; PEVZNER, V.I.,
tekhnicheskiy redaktor

[Feeding meat-making rations to swine] Miasnoi otkorm svinei.
Moskva, Gos. izd-vo sel'khoz. lit-ry, 1957. 77 p. (Bibliotekha po
svinovodstvu, no.4) (MIRA 11:2)
(Swine-- Feeding and feeding stuffs)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420015-9"

S/069/62/024/003/002/006
B110/B136

AUTHORS: Bulatov, N. K., Mokrushin, S. G.

TITLE: Experimental studies of laminar systems. 28. Formation of thin iron hydroxide films on a glass surface

PERIODICAL: Kolloidnyy zhurnal, v. 24, no. 3, 1962, 263 - 267

TEXT: The adsorption of colloidal iron hydroxide from hydrosols on glass was studied. Cleaned window glass plates (85.32.2 mm) were put into 0.4 mole/liter FeCl_3 solutions with pH = 1.4; 0.9; 0.5, and stirred in a thermostatic bath. Films of a given thickness were obtained by repeated immersion. The optical density was determined from the interference colors of the reflected light. The maximum immersion time after which the film stopped growing depended on the temperature and pH of the initial solution, and were between 8 and 25 min for each operation. From an optical density of $\sim 1700 \text{ \AA}$ onward, the dependence of the film thickness on the maximum time becomes linear. The increase in film thickness is retarded and the maximum immersion time decreases as the temperature is raised ($55 - 90^\circ\text{C}$). Fast hydrolysis and slow film growth ($900 - 1000 \text{ \AA}$) were observed at pH = 1.4. An Card 1/2 ✓

Experimental studies ...

S/069/62/024/003/002/006
B110/B138

increase in the H-ion concentration decelerates hydrolysis and accelerates the film growth : pH = 0.5: 1500 - 2500 Å. The adsorption of colloidal iron hydroxide particles with a primary degree of dispersion (T. Svedberg (*Obrazovaniye kolloidov* (Formation of colloids), NTI, L., 1927 p. 3)) through the surface caused the formation of thin films with a mirrorlike luster. The increase in film thickness depends on the particle concentration and on the primary degree of dispersion. The film thickness thus increases with the hydrolysis. A temperature rise accelerates hydrolysis and volume coagulation. A considerable hydrolysis deceleration of acidified solutions causes volume coagulation at low temperatures thus reducing film growth. The same effect is observed with a concentration increase. There are 2 figures and 1 table.

ASSOCIATION: Ural'skiy politekhnicheskiy institut im. S. M. Kirova,
Sverdlovsk (Ural Polytechnic Institute imeni S. M. Sverdlovska)

SUBMITTED: July 14, 1961

Card 2/2

BULATOV, N.K.; MOKRUSHIN, S.G.

Effect of additions of electrolytes and gelatin on the formation
of thin iron hydroxide films on a glass surface. Koll.zhur. 26
no.1:17-21 Ja-F '64.
(MIRA 17:4)

1. Ural'skiy politekhnicheskiy institut imeni Kirova, Sverdlovsk.

BULATOV, N.K.; MOKRUSHIN, S.G.

Kinetics and mechanism of formation of thin films of iron hydroxide on a glass surface in ferric chloride solutions.
Koll. zhur. 27 no.2:158-164 Mr-Ap '65. (MIRA 18:6)

1. Ural'skiy politekhnicheskiy institut imeni Kirova, Sverdlovsk.

42114-00 EWT(1)/EWT(m)/T/EWP(e)/ENP(t)/ETI IJP(c) GG/WH/JD
ACC NR: AP6031944 (N) SOURCE CODE: UR/0080/66/039/009/1951/1956

AUTHOR: Bulatov, N. K.; Mokrushin, S. G.

ORG: Ural Polytechnical Institute im. S. M. Kirov (Ural'skiy politekhnicheskiy institut)

TITLE: Formation of thin films of titanium hydroxide on glass substrate

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 9, 1966, 1951-1956

TOPIC TAGS: titanium dioxide, thin film, optic coating, chemical deposition, chemical reaction kinetics, HYDROXIDE, METAL FILM

ABSTRACT: Formation of thin titanium hydroxide films on a glass substrate by chemical deposition from solutions was studied experimentally in view of the relative simplicity of this method and the possibility of obtaining ultrathin and thin oxide films on substrates of any geometric form by using this method. These advantages of the chemical deposition from solutions over other known methods of deposition make it the preferred technique for obtaining thin TiO_2 films for optical, electronic, and other applications. The method consists in immersing a glass plate into an HCl solution of $TiCl_4$ and subsequent hydrolysis of this solution to precipitate colloidal titanium hydroxide. Under appropriate conditions, a mirror-like film with up to 1500 Å optical thickness may be obtained in a single operation. Thicker films may be prepared by repeated immersions into freshly made solutions. A simultaneous study

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UDC: 539.238+546.824

45774-66

ACC NR: AP6031944

of the kinetics of film growth and of the hydrolysis of the solutions revealed the dependence of the film growth rate in the initial period of hydrolysis on the rate of hydroxide nucleation on the substrate and, subsequently, on the rate of increase in size (radius) of the hydroxide particles in solution. The film growth rate, during the second stage of hydrolysis, was described by a kinetic equation which shows a linear dependence of the growth rate on the Ti (IV) concentration in solution. Further study revealed the existence of the optimal Ti (IV) concentration, pH, and temperature of solution for growth of transparent, mirror-like films. The effect of these factors on the growth rate was described primarily as the effect on the nucleation process which is dependent on supersaturation in solution. The optimal concentration, pH, and temperature correspond to a minimum supersaturation which is required for formation of transparent, mirror-like films. Orig. art. has: 5 figures and 5 formulas.

SUB CODE: 07 / SUBM DATE: 03Nov64 / ORIG REF: 006 / OTH REF: 006 / ATD PRESS: 5084
[JK]

Card 2/2

BULATOVA, L.N.; BULATOV, N.M.

Clinical characteristics of an outbreak of vernal tick-borne encephalitis in the Aktash District of the Tatar A.S.S.R. in 1957. Kaz.-med.zhur. 40 no.2:48-53 Mr-Ap '59. (MIRA 12:11)

1. Iz Aktashskoy rayonnoy bol'nitay (glavnnyy vrach rayona - G.I.Baklanov).

(AKTASH DISTRICT--ENCEPHALITIS)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420015-9

BULATOV, N. F.

Extracurricular studies of electrical engineering in the secondary school; practical manual for teachers of the secondary school, "Oskva, Uchpedgiz, 1951.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420015-9"

1. SKATKIN, M. N.; BULATOV, N. P.
2. USSR (600)
4. Technical Education
7. On polytechnic instruction in connection with the teaching of physics,
Fiz. v shkole, No. 1, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April,
1953, Uncl.

PROTOPOPOV, Aleksey Fedorovich; YESIPOV, B.P., professor, retsenzent,
kandidat pedagogicheskikh nauk; SKATKIN, M.N., retsenzent,
kandidat pedagogicheskikh nauk; BULATOV, N.P., kandidat peda-
gogicheskikh nauk, retsenzent; BLINCHEVSKIY, F.L., inzhener
metodist, retsenzent; MOROZOVA, G.F., redaktor;
VASIL'YEV, L.V., redaktor; SADE, L.S., redaktor; OSTRIROV, N.S.
tekhnicheskiy redaktor

[Pedagogical method in trade schools] Pedagogicheskii protsess
v remeslennykh uchilishchakh. Moskva, Vses. uchebno-pedagog
izd-vo Trudrezervizdat, 1955. 206 p. (MLRA 8:10)

1. Chlen-korrespondent APN-RSFSR (for Yepisov & Skatkin)
(Technical education)

BULATOV, N.P., redaktor; GOVSI, I.I., redaktor; KROKHIN, F.F.; MALYSHEV,
M.M.; MEL'NIKOV, M.I.; SKATKIN, M.N.; STAVROVSKIY, A.Ye., SHI-
BANOV, A.A.; SHCHUKIN, S.V.; GONCHAROV, N.K.; redaktor; TITKOV,
P.V., redaktor; ZRNEN, V.R., tekhnicheskiy redaktor.

[General technical training in secondary schools; work practice
of city and rural schools] Politekhnicheskoe obuchenie v srednej
shkole; iz opyta raboty gorodskikh i sel'skikh shkol. Moskva,
1956. 279 p.
(MLRA 9:5)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow.
(Technical education)

BULATOV, N.P., redaktor; TROSTNIKOV, V.N., redaktor; GARNEK, V.P., tekhnicheskiy redaktor.

[Polytechnical training in a physics course] Iz opyta politekhnicheskogo obucheniya v prepodavanii fiziki. Pod red. N.P. Bulatova, Moskva, 1955.
113 p.
(MLRA 10:5)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut teorii i istorii pedagogiki.
(Physics--Study and teaching) (Technical education)

BULATOV, N.P.; YESIPOV, B.P.; ROZANOV, I.G.; SHCHUKIN, S.V.;
DANILOV, M.A.; REZNIKOV, L.I.; SKATKIN, M.N.; YUS'KOVICH, V.Y.

I.I. Babushkin; obituary. Fiz. v shkole 17 no.1:96 Ja-F
'57.

(MLRA 10:2)

(Babushkin, Ivan Ivanovich, 1899-1956)

BULATOV, N. P.

PROTSENKO, V.G.; SKATKIN, M.N., redaktor; ~~BULATOV, N.P.~~, redaktor;
RAZUMOVSKIY, N.N., redaktor; TARASOVA, V.V., tekhnicheskiy redaktor

[Students' practice in industry and agriculture] Praktika uchashchikhsia v promyshlennom i sel'skokhoziaistvennom proizvodstve. Pod red. M.N.Skatkina i N.P.Bulatova. Moskva, 1957. 215 p. (MLRA 10:10)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut teorii i istorii pedagogiki.
(Agriculture--Study and teaching)
(Technical education)

BULATOV, N.P.; SUNDUKOV, N.A.; SKATKIN, M.N., red.; KOPTEKOVA, L.A.,
red.; LIUT, V.G., tekhn.red.

[Technical instruction in a city school] Opyt politekhnicheskogo obucheniia v gorodskoi shkole. Pod red. M.N.Skatkina.
Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1959. 164 p.

(MIRA 12:10)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut
metodov obucheniya. 2. Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR (for Skatkin).

(Technical education)

22(1)

SCV/47-59-3-13/53

AUTHOR: Bulatov N.P., (Moscow)

TITLE: Physics and Electrical Engineering in School

PERIODICAL: Fizika v shkole, 1959, Nr 3, pp 44-47 (USSR)

ABSTRACT: The author makes recommendations on how best to combine the teaching of physics with the teaching of electrical engineering at secondary schools. In view of the importance of electrical engineering, attention should be given to this subject as soon as a fund of general knowledge in physics permits successful studies in this field. He condemns a method based exclusively on the demonstration of a working principle and which does not enable the pupil to identify the elements of his school model with the elements of a real apparatus. He considers it necessary to establish a connection between knowledge acquired from the blackboard and on school models and the structural

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SOV/47-59-3-13/53

Physics and Electrical Engineering in School

characteristics and working principle of a real apparatus. The author further recommends visits to plants and the introduction of special electro-technical studies at the schools.

Card 2/2

BULETOV, N.P.

From experience in studying a turning lathe. Politekhnich. no. 1:
42-43 Ap '52.
(Turning) (MIRA 12:7)

BULATOV, N.P. (Moskva); ZHEREBTSOV, I.P. (Leningrad); SERKOV, V.V.

Discussing the draft of the new program for the course in electrical engineering. Fiz. v shkole 20 no.5:71 S-0 '60. (MIRA 13:11)

1. Pedagogicheskiy institut, g.Orsk (for Serkov).
(Electric engineering-Study and teaching)

BELOGORSKAYA, N.I.; BLUDOV, M.I.; BRAVERMAN, E.M.; BULATOV, N.P.;
GALANIN, D.D.; GOL'DFARB, N.I.; YEVROPIN, G.P.; YEGUROV, A.L.
YENOKHOVICH, A.S.; ZVORYKIN, B.S.; IVANOV, S.I.; KAMANETSKIY, S.Ye.;
KRAUKLIS, V.V.; LISENKER, G.R.; MALOV, N.N.; MANOVETOVA, G.P.;
MENSHUTIN, N.F.; MINCHENKOV, Ye.Ya.; PERYSHKIN, A.V.; POKROVSKIY, A.A.;
POPOV, P.I.; RAYEVA, A.F.; REZNIKOV, L.I.; SOKOLOV, I.I.; YUSKOVICH,
V.F.; ZVENCHIK, Z.Ye.

Dmitrii Ivanovich Sakharov; obituary. Fiz.v shkole 22 no.1:109-
110 Ja-F '62. (MIRA 15:3)
(Sakharov, Dmitrii Ivanovich, 1889-1961)

SHIPILLO, V.P. inzh. (Khar'kov); SIRITSA, V.V., inzh. (Khar'kov);
BULATOV, O.G., inzh. (Khar'kov)

Dynamics of equalizing currents in reversible electronic con-
verters. Elektrichestvo no.1:37-40 Ja '63. (MIRA 16:2)
(Electric current converters)

SHIPILLO, Valentin Pavlovich; SIRITSA, Vasiliy Vasil'yevich;
BULATOV, Oleg Georgiyevich; LABUNTSOV, V.A., red.;
FRIDKIN, L.M., tekhn. red.

[Electromagnetic processes in a high-speed reversible
electronic converter] Elektromagnitnye protsessy v by-
strodeistvuiushchem reversivnom ionnom preobrazovatele.
Moskva, Gosenergoizdat, 1963. 79 p. (Biblioteka po av-
tomatike, no.83) (MIRA 16:12)
(Electric current converters)

BULATOV, O.L., mashinist elektrovoza

Method for disconnecting a section of a seven-axle electric locomotive. Elek. i tepl. tiaga 5 no.8:32 Ag '61. (MIRA 14:9)

1. Depo Kurgan Yuzhno-Ural'skoy dorogi.
(Electric locomotives)

BULATOV, P. K.

Treatment of bronchial asthma with aeroions. Klin. med., Moscow
22:6, June 50. p. 72-4

1. Of the Hospital Therapeutic Clinic (Director—Honored worker in
Science Prof. N. V. Chernorutskiy), First Leningrad Medical Institute
imeni Academician I. P. Pavlov, Leningrad.

CL/L 19, 5, Nov., 1950

BULATOV, P.K.

Priority of Russian medicine in establishing the relationship between bronchial asthma and disorders of the central nervous system. Ter. arkh., Moskva 25 no.6:73-79 Nov-Dec 1953.

(CIML 25:5)

1. Doctor Medical Sciences. 2. Of the Hospital Therapeutic Clinic (Director -- Prof. M.V. Chernorutskiy, Active Member AMS USSR), First Leningrad medical Institute and the Department of Animal and Human Physiology (Head -- Prof. L.I. Vasil'yev, Corresponding Member AMS USSR) of Leningrad University imeni A.A. Zhdanov.

BULATOV, P.K., doktor meditsinskikh nauk; ZLYONIKOV, D.M.; CHERNORUTSKIY, M.V.,
deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR, professor, zavedu-
yushchiy.

The Russian scientist A. Rodoskiy was the first to establish the neuro-
genetic etiology of bronchial asthma. Klin.med. 31 no.3:91-93 Mr '53.
(MLRA 6:5)

1. Gospital'naya terapeuticheskaya klinika I Leningradskogo meditsinskogo
instituta imeni I.P. Pavlova. 2. Akademiya meditsinskikh nauk SSSR (for
Chernorutskiy). (Asthma) (Rodoskii, Andrei)

BULATOV, P. K.
1) Carbohydrate metabolism in bronchial asthma. P. K. Bulatov (1st Med. Inst., Leningrad). *Klin. Med. (U.S.S.R.)* 31, No. 11, 61 (1953).—Glucose tolerance test resulted in 3 types of response corresponding to 3 stages of the disease. In the first stage (specific infectious allergy), the glucose rises slowly during the first hour, then begins to fall and reaches its normal level at the end of the 3rd hour. In the 2nd stage (parallergy) when the patient becomes sensitive to nonspecific proteins the response is nearly normal with a tendency to hypoglycemia. In the 3rd stage when complications arise (chronic bronchitis, insufficiency of the right heart) the response is in the form of a double-peaked curve. A. Mirkh.

Iz gospital'noy terapevтической клиники (директор — действительный член Академии медико-санитарных наук СССР профессор М. В. Черноруцкий) I Leningradskogo meditsinskogo instituta.

BULATOV, P.K., professor; GRACHEV, F.J., redaktor; LIVSHITS, D.A.,
tekhnicheskiy redaktor.

[Present-day therapy methods for bronchial asthma] Sovremennoye
metody lecheniya bronkhial'noi astmy. [Leningrad], Gos. izd-vo
med. lit-ry. Leningradskoe otd-nie, 1954. 91 p. (MLRA 8:1)
(Asthma)

BULATOV, P.K., professor

Method of polyclinic therapeutic practice for students in medical institutes. Terap. arkh. 26 no.5:87-91 S-0 '54. (MLRA 8;2)

1. Iz gospital'noy terapeuticheskoy kliniki (dir. deystvitel'nyy chlen AMN SSSR prof. M.V.Chernorutskiy) I Leningradskogo meditsinskogo instituta imeni akad. I.P.Pavlova.

(HOSPITALS,

ther. practice for med. students in polyclinics in Russia)
(EDUCATION, MEDICAL,

in Russia, ther. practice in polyclinics)
(THERAPEUTICS, education,
in Russia, practice in polyclinics)

BULATOV, F.K., prof.

Treatment of bronchial asthma in the light of S.P. Botkin's
and I.P. Pavlov's theories. Trudy IMI 2:121-129 '55 (MIKA 11:8)

1. Kafedra gospital'noy terapii (zav.-deystvitel'nyy chlen AMM
SSSR urof. M.V. Chernorutskiy) Pervogo Leningradskogo meditsinskogo
instituta imeni akademika I.P. Pavlova.
(ASTHMA)

COUNTRY:	Russia
CATEGORY:	General problems of pathology, tumors, experimental therapy
ABS. JOUR.:	ZZBiol., No. 12 1958, No. 36418
AUTHOR:	Grishko, V. V.; Shchelokov, A. A.; Tsvetina, N. N.
ABST.:	Abstract of ZZBiol.
TITLE:	On the anti-tumor properties of chaga
ORIG. PUB.:	Vestn. Ak. SSSR, 1957, no. 4, 36-41
ABSTRACT:	For aqueous extracts of the chaga (I; the black fungus <i>Inonotus obliquus</i>) it is most characteristic to observe a certain amount of intensely-staining carbogen complex of high-molecular-weight polyphenol-carboniferous compounds. A short scheme is presented for preparation of the material. In experiments on rats with "0" sarcoma and mice with fibrosarcoma tumor, receiving I with their feed, there was a noticeable retardation in growth of the malignant tumor. In some cases the tumor was completely reabsorbed; with large doses of the preparation there was an increased degeneration of the transplanted tumor with
CARD:	1/2

COUNTRY :
CATEGORY :

ABD. FORM. : R23161., No. 1958, No.

AUTH.R.R :
INFO. :
MAIL. :

ABD. A/S. :

ABSTRACT : typical manifestations of toxicity (experiments not described). Clinical observations carried out on 97 patients showed that the use of I led to improvement in the general condition, normalization of vegetative reactions and, in some cases, to restoration of work capacity. In patients with cachexia no such change were noted. Histologic studies showed that the tumor became firmer, with considerable deposition of calcium salts. No metastases were found at autopsy. (No numerical data nor concrete observations are given in the work - editor). -- A.A.Ivazrikova
2.2

USSR / Human and Animal Morphology, Normal and Pathological.
Digestive System.

S

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 35966

Author : Bulatov, P. K.

* Inst : ~~Not given~~
Title : Pathological Anatomy and Pathogenesis of Bronchial Asthma.

Orig Pub : Arkhiv patologii, 1957, 19, No. 1, 20-26

Abstract : In the origin of bronchial asthma, importance must be given to heredity (36.4%) to constitutional factors (33.4% hyper-thematics), connected with their increased organic reactivity, especially in the ages of 16-35 years, and also to lingering diseases of the respiratory organs (chronic bronchitis, pneumonia, etc.), which in 98% of the patients precede the first attack of asthma. In 14 deceased patients, there were uncovered chronic destructive bronchitis; the epithelial cover of the bronchi was damaged and sometimes was absent,

Card 1/2

* Dz. GOSUDARSTV. FEDERAT. NARODN. KLINIKI, SNIFFEDY PATOLOGICHESKAY
ANATOMII I LENINGRADSKOGO MEDITSINSKOGO INSTITUTA imeni ARKH. I. P.
PAVLOVA. 15

USSR / Human and Animal Morphology, Normal and Pathological.
Digestive System.

S

Abs Jour : Ref hur - Biol., No 8, 1958, No 35966

thereby leading to the infection of the organism and its sensitization and to the change of the normal function of the bronchial interoreceptors. The basement membrane was swollen and thickened; the lymphatic ganglia of the bronchi and mediastinum were in a state of hyperplasia; the muscular layer of the bronchi was hypertrophied; the mucous glands of the bronchi were in a state of hypersecretion. Infiltred changes of the bronchial walls of all calibers were uncovered. The bronchial lumina were increased and filled up with mucous. Chronic vesicular pneumonia was sharply expressed. Around the bronchi, stellate sections were located, alternating with inflammatory sections. A plethora of the pulmonary circulatory system was noted. Eight patients exhibited the union of parietal and visceral pleurae. In all patients, the cardiac muscles were in a state of dystrophy. -- I. B. Barabash.

Card 2/2

1502A704, A.R.

AUTHOR: YAKIMOV,P.A. ,Dr. chem.sc., BULATOV,P.K., M.D., PA - 2852
BERIOSINA,M.P. , Dr. biol.sc.

TITLE: The Preparation "Bin Chaga". (Preparat Bin-Chaga, Russian)

PERIODICAL: Vestnik Akademii Nauk SSSR, 1957, Vol 27, Nr 4, pp 88-91 (U.S.S.R.)
Received: 6 / 1957 Reviewed: 7 / 1957

ABSTRACT: The black birch fungus "chaga", which occurs particularly frequently in Siberia, has since long attracted the interest of scientists. Positive results were obtained by botanical laboratories and institutes for antibiotica after a long period of intense research work: In 1951 work was begun on a large scale. Technically, working up the fungus substance presents no difficulties, but hitherto it has not been possible to breed it artificially. The fungus belongs to the sterile kind of spore-bearing inonotus obliquus.
The new preparation, which is called "Bin-Chaga", was administered to 457 patients between 1951 and 1955 (sarcoma, carcinoma, malignant growths of various kinds). Results: With the majority of patients treated with "Bin-Chaga" growths did not increase, while in the case of a smaller number of patients they continued to shrink; in the case of the latter patients results were absolutely positive.
As a next stage, patients suffering from cancer (internal growths), and also in this case astonishing success was achieved.

Card 1/2

The Preparation "Bin Chaga".

PA - 2852

In 1956 the preparation was admitted for sale to the general public after it had been thoroughly tested. The process of preparation is described on the basis of drawings.

ASSOCIATION: Not given
PRESENTED BY:
SUBMITTED:
AVAILABLE: Library of Congress

Card 2/2

BULATOV, Panteleymon Konstantinovich, red.; BEREZINA, M.P., red.; YAKIMOV, P.A., red.
[Fomes igniarius f. sterilis Van and its therapeutic in fourth-stage cancer] Chaga i ee lechebnoe primenenie pri rake IV stadii. Leningrad, Medgiz, 1959. 333 p. (MIRA 13:2)
(CANCER) (FUNGI--THERAPEUTIC USE)

BULATOV, P.K., prof.; VISHNEVSKAYA, Ya.N., dots.

Organization of instruction in the sixth course of the Hospital Therapy
Department of the First Leningrad Medical Institute. Zdrav. Ros. Feder.
3 no.4:28-30 Ap '59. (MIRA 12:4)

1. Iz kafedry gospital'noy terapii (zav. - prof. P.K. Bulatov) I
Leningradskogo meditsinskogo instituta imeni I.P. Pavlova (Dir. -
dots. A.I. Ivanov)
(LENINGRAD--MEDICINE--STUDY AND TEACHING)

VASIL'YEV, L.N., prof.; BULATOV, P.K., prof.

Review of A.A.Minkh's book "Ionization of air and its significance for health." Vest.AMN SSSR 14 no.8:86-87 '59. (MIRA 12:11)

1. Chlen-korrespondent AMN SSSR.
(AIR, IONIZED) (MINKH, A.A.)

VASIL'YEV, L.L., prof.; BULATOV, P.K., prof., nauchnyy red.; VOROB'YEV,
G.S., red.izd-va; GUDZHILOVA, A.M., tekhn.red.

[Influence of atmospheric ions on the body] Влияние атмосферных
ионов на организм. Leningrad, Ob-vo po rasprostraneniu polit.
i nauchn.znanii RFSR, Leningr.otd-nie, 1960. 55 p.

(MIRA 14:3)

1. Chlen-korrespondent AMN SSSR (for Vasil'yev).
(Air, Ionized)

BULATOV, P.K.; STUKKEY, M.A.

Treatment of patients with chronic coronary insufficiency with novocaine blockade of the anterior mediastinum. Klin. med. 38 no. 2:42-46 F '60. (MIRA 14:1)
(CORONARY HEART DISEASE) (LOCAL ANESTHESIA)

MULATOV, P.K., prof.

Role of heredity in the bronchial asthma. Terap.arkh. 33
no.10:81-85 '61. (MIRA 15:1)

1. Iz gospital'noy terapevticheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR prof. M.V. Chernorutskiy [deceased]) I Lenigradskogo meditsinskogo instituta imeni akad. I.P. Pavlova.
(ASTHMA) (HEREDITY OF DISEASE)

BULATOV, P.K., red.; VISHNEVSKAYA, Ya.N., red.

[Rheumatism; collection of scientific works] Revmatizm;
sbornik nauchnykh trudov. Leningrad, 1961. 426 p.

(MIRA 17:4)

1. Leningrad. Pervyy Leningradskiy meditsinskiy institut.
Gospital'naya terapevticheskaya klinika.

OBROSOV, A.N., otv. red.; MUMINOV, Ya.K., zam. otv. red.; BULATOV, P.K., red.; VASIL'YEV, L.L., red.; DALIMOV, Z.A., red.; KATSENOVICH, R.A., red.; KETKO, M.I., red.; MINKH, A.A., red.; CHERNYAVSKIY, Ye.A., prof., red.; SHRAMKOVA, G.A., red.; TSAY, A.A., tekhn. red.

[Aeroionization and hydroaeroionization in medicine] Aeroionizatsiya i gidroaeroionizatsiya v meditsine; materialy. Red. kollegia: A.N.Obrosov i dr. Tashkent, Medgiz, 1962. 305 p.

(MIRA 16:6)

1. Vsesoyuznaya konferentsiya po aero- i gidroaeroionizatsii, Tashkent, 1960. 2. TSentral'nyy institut kurortologii i fizioterapii, Moskva (for Obrosov). 3. Kafedra fiziologii cheloveka i zhivotnykh Leningradskogo gosudarstvennogo universiteta (for Vasil'yev). 4. Uzbekskiy gosudarstvennyy nauchno-issledovatel'skiy institut kurortologii i fizioterapii im.N.A.Semashko (for Katsenovich). 5. Gospital'naya terapevticheskaya klinika Leningradskogo gosudarstvennogo meditsinskogo instituta im. I.P.Pavlova (for Bulatov).

(AIR, IONIZED—THERAPEUTIC USE)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420015-9

BULATOV, P.K., prof. (Leningrad)

Better not start it... Zdorov'e 9 no.4:13-14 Ap'63 (MIRA 16:7)
(TOBACCO--PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420015-9"

БИЛАН, Н.Р. (Ленинград)

Higher nervous activity in bronchial asthma patients. Trudy
Gos. nauch. issled. psichonevr. inst. 29:317-327 '63.
(МНБ 17:3)

L 02330-67 EWT(1)/T RO/JK

ACC NR: AR6022385

(N)

SOURCE CODE: UR/0397/65/000/024/0052/0052

AUTHOR: Buletov, P. K.; Zlydnikov, D. M.; Fedoseyev, G. B.; Khan-Fimina, V. A.; Sarayeva, A. N.26
2.5
B

TITLE: Treatment of patients with various inflammatory diseases of the respiratory organs with garlic phytoncides

SOURCE: Ref. zh. Farmskologiya. Toksikologiya, Abs. 24.54.401

REF SOURCE: Sb. Morfol., fiziol. i patol. organov, dykhaniya. L. 1965,
25-28

TOPIC TAGS: respiratory system disease, microorganism contamination, pharmacognosy, therapeutics, phytoncide

ABSTRACT: The effect of volatile fractions and tissue juice of garlic on microorganisms (white, golden and lemon-yellow staphylococcus, hemolytic streptococcus, secondary type of pneumococcus, enteric bacteria, proteus, blue pus rods, and yeastlike fungi of the Candida type) frequently found in the sputum in lung diseases was investigated in vitro. An emulsion 0.1 ml of a 24 hr culture (500 million microbial bodies in 1 ml of physiological solution) was placed on the surface of a solid nutritive medium in 3 cups. 1 g of ground garlic was introduced

Card 1/2

UDC - 612.20

L 02330-67

ACC NR AR6022385

into the first cup and 0.1 ml of garlic tissue juice was introduced into the second cup; the third cup served as a control. The bactericidal action of the garlic preparations in relation to all microorganisms was not reduced by the presence of a sterile zone. Bactericidal action was established by the addition of euspiran (3 drops/1 ml) to garlic tissue juice. 122 patients with acute pneumonia, aggravated chronic pneumonia, and chronic bronchitis were treated with inhalations of garlic tissue juice diluted in a physiological solution or a 0.25% novocaine solution (1:3). The course of treatments was found in 106 to 40 (86.7%). The addition of favorable effect was noted in 16 patients (76.5%); decreases or disappearance of Candida fungus in 26 patients (47%). A. Gladkikh. [Translation of abstract].

SUB CODE: 06

BULATOV, P.K.; NAUMENKO, A.I.; USPENSKAYA, Ye.P.; BEREZA, A.L.

Treatment of children with bronchial asthma under conditions of
a pressure chamber. Sov. med. 28 no.1:97-100 Ja '65. (MIRA 18:5)

1. Gospital'naya terapevticheskaya klinika (zav. - zasluzhennyy
deyatel' nauki prof. P.K.Bulatov) i fiziologicheskiy otdel TSentral'noy
nauchno-issledovatel'skoy laboratorii (zav. - dotsent A.I.Naumenko)
I Leningradskogo meditsinskogo instituta imeni Pavlcva.

BULATOV, P.K., prof.; ZLYDINKOV, D.M., dotsent

Experience in treating chronic pneumonia with aerosols of antibiotics and proteolytic enzymes. Sov.med. 28 no.7:27-31 Jl '65.
(MIRA 18:8)

1. Kafedra gospital'noy terapii (zav. - prof. P.K.Bulatov) I
Leningradskogo meditsinskogo instituta imeni Akademika I.P.Pavlova.

BULATOV, P.K.; ZLYDNIKOV, D.M.; FEDOSEYEV, G.B.; KHAN-FUMINA, V.A.

Use of garlic phytoncides for the treatment of various
inflammatory diseases of the respiratory organs. Sov. med.
28 no.12:86-90 D '65. (MIRA 18:12)

1. Kafedra gospital'noy terapii (zav. - prof. P.K. Bulatov) i
kafedra mikrobiologii (zav. - prof. V.N. Kosmodamianskiy) I
Leningradskogo meditsinskogo instituta imeni I.P. Pavlova.

BULATOV, P.N.

Some clinical data on intestinal fistulas in children.
Nauch. trudy Kaz. gos. med. inst. 14:379-380 '64. (MIRA 18:9)

1. Kurs khirurgii detskogo vozrasta (zav. - dotsent P.N.
Bulatov) Kazanskogo meditsinskogo instituta.

BULATOV, P.N., dotsent

Retroperitoneal extraorganic tumors. Kaz.med.zhur. 40 no.5:
74-76 S-O '59. (MIRA 13:7)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. S.M.
Alekseyev) Kazanskogo meditsinskogo instituta.
(ABDOMEN--TUMORS)

BULATOV, P.N.

State of the sympathetic innervation of the heart in patients with
intestinal fistulas. Nauch. trudy Kaz. gos. med. inst. 14:123-124
'64. (MIRA 18:9)

1. Kurs khirurgii detskogo vozrasta (zav. - dotsent P.N.Bulatov)
Kazanskogo meditsinskogo instituta.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420015-9

BULATOV, P. P.

Device for tightening sleeves of cracked, bulk carrying pipes.
Torf. prom., 29, No 2, 1952.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420015-9"

BULATOV, R.P.

Oceanographic expedition in the Kara Sea in 1960. Prob.
Arkt. i Antarkt. no.9:101-102 '61. (MIRA 15:1)
(Kara Sea--Oceanographic research)

BULATOV, R.P.

Second conference on the problem in the plan of the International Geophysical Year "Interaction of the atmosphere and the ocean in the North Atlantic and annual variations in its meteorological and hydrological conditions." Okeanologija 2 no.1:180-185 '62. (MIRA 15:2)

(Atlantic Ocean--Congresses)

BULATOV, R.P.

Some results of studying the ice in Yenisey Bay. Vop. geog.
(MIRA 17:3)
no.62:192-197 '63.

BULATOV, R.P.; STEPANOV, V.N., doktor geogr. nauk, otd. red.

[Circulation of the waters of the Atlantic Ocean and
the adjacent seas; a bibliographic index, 1638-1962]
TSirkuliatsiya vod Atlanticheskogo okeana i prilega-
iushchikh morei; bibliograficheskii ukazatel' (1638-
1962). Moskva, AN SSSR, 1964. 114 p.
(MIRA 17:11)

BULATOV, R.P.

Problems of water circulation in the Atlantic Ocean in the reports
delivered at the session of the Marine Hydrophysical Institute of
the Academy of Sciences of the Ukrainian S.S.R. Okeanologiya 4
no.1:183-186 '64. (MIRA 17:4)

BULATOV, S.B., red.

[Instructions 4-53 for checking spring manometers, vacuum gauges
and pressure vacuum gauges] Instruktsiya 4-53 po poverke rabo-
chikh pruzhinnikh manometrov, vakuummetrov i manovakuummetrov.
Izd. ofitsial'noe. Moskva, 1954. 14 p. (MIRA 14:5)

1. Russia(1923- U.S.S.R.) Komitet standartov, mer i izmeri-
tel'nykh priborov.
(Manometer--Testing) (Vacuum gauges--Testing)

BULATOV, S.B., red.

[Instructions 32-53 for checking measuring mugs, metal conic
volumeters, and glasses for measuring beverages.] Instruktsiya
32-53 po poverke mernykh kruchek, metallicheskikh konicheskikh
mer v mestnosti i menzurok dlja otpuska napitkov. Izd. ofi-
cial'noe. Moskva, 1954. 20 p. (MIRA 14:5)

1. Russia (1923- U.S.S.R.) Komitet standartov, mer i izme-
ritel'nykh priborov. (Volumeters--Testing)

BULATOV, S.B., red.

[Instruction 263-55 for checking butterfat-testing devices]
Instruktsiya 263-55 po poverke zhiromerov. Izd. ofitsial'-
noe. Moskva, 1956. 11 p. (MIRA 14:5)

U.S.S.R. (1923- U.S.S.R.) Komitet standartov, mer i iz-
meritel'nykh priborov. (Gauges--Testing)

BULATOV, S.B., red.

[Instructions 30-55 for checking standard measuring vessels]
Instruktsiiia 30-55 po poverke obraztsovykh mernikov. Izd.
ofitsial'noe. Moskva, 1957. 11 p. (MIRA 14:5)

1. Russia (1923- U.S.S.R.) Komitet standartov, mer i iz-
meritel'nykh priborov.
(Volumetric apparatus)

BULATOV, S.B.;

[Instructions 31-53 for checking glass technical volumetric vessels of the first and second category] Instruktsiia 31-53 po poverke mer vmeistimosti stekliannykh tekhnicheskikh 1-go i 2-go klassov. Izd. ofitsial'noe. Moskva, 1954. 37 p.
(MIRA 14:5)

l. Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov.

(Volumetric vessels--Testing)

BULATOV, S.B., red.; KIVILIS, S.S., red.

[Album of graphs; appendix 18 to regulations 27-54 on the use and checking of flowmeters with normal diaphragms, nozzles, and venturi tubes] Al'bom grafikov; prilozhenie 18 k pravilam 27-54 po primeneniiu i poverke raskhodomerov s normal'nyimi diafragmami, soplami i trubami venturi. Gos.izd-vo standartov "Standartgiz," 1956. 1 v. (unpaged) (MIRA 12:3)

1. Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'-nykh proborov.

(Flowmeters)

BULATOV, S.B.

USSR/Processes and Equipment for Chemical Industries -
Control and Measuring Devices. Automatic Regulation. K-2

Abs Jour : Ref Zhur - Khimiya, No 2, 1957, 6988

Author : Bulatov, S.B., Kibillis, S.S.

Inst :

Title : Equalizing Concension Vessels for Differential
Manometric Steam Flow Meters.

Orig Pub : Izmerit. tekhnika, 1956, No 3, 60-63

Abst : Consideration of problems relating to the use of different types of condensation vessels in measuring rate of flow of steam. The fundamental principles of computation of constant-level equalizing vessels and of constant-charge equalizing vessels are described.

Card 1/1

BULATOV, S.B.; KARELIN, N.M.

International conference on fluid flow measurements. Izm.tekh.
no.6:93-95 N.D '56. (MIRA 10:1)
(Munich--Flowmeters--Congresses)

BULATOV, S.B., red.

[Instructions 34-54 for checking DN-type vodka distributors]
Instruktsiiia 34-54 po poverke dozatorov vodki tipa DN. Izd.
ofitsial'noe. Moskva, 1957. 6 p. (MIRA 14:5)

1. Russia (1923- U.S.S.R.) Komitet standartov, mer i iz-
meritel'nykh priborov.
(Dispensing apparatus--Testing)

BULATOV, S.B., red.

[Instructions 39-55 for checking measuring vessels] Instruktsiya
39-55 po poverke tekhnicheskikh mernikov. Izd. ofitsial'noe.
Moskva, 1957. 11 p.
(MIRA 14:5)

1. Russia (1923- U.S.S.R.) Komitet standartov, mer i izme-
ritel'nykh priborov.

(Volumetric apparatus)

BULATOV, S.B.

BEYLINA, TS.O., inzhener; BLAGONADEZHDIN, V.Ye., inzhener; BOGUSLAVSKIY, P.Ye., kandidat tekhnicheskikh nauk; VORONKOV, I.M., professor, GITINA, L.Ya., inzhener; GROMAN, M.B., inzhener; GOROKHOV, N.V., doktor tekhnicheskikh nauk [deceased]; DENISYUK, I.N., kandidat tekhnicheskikh nauk; DOVZHIK, S.A., kandidat tekhnicheskikh nauk; DUKEL'SKIY, M.P., professor, doktor khimicheskikh nauk [deceased]; DYKHOVICHNYY, A.I., professor; ZHITKOV, D.G., professor, doktor tekhnicheskikh nauk; KOZLOVSKIY, N.S., inzhener; LAKHTIN, Yu.M., doktor tekhnicheskikh nauk; LEVENSON, L.B., professor, doktor tekhnicheskikh nauk [deceased]; LEVIN, B.Z., inzhener; LIPKAN, V.F., inzhener; MARTYNOV, M.V., kandidat tekhnicheskikh nauk; MOLEVA, T.I., inzhener; NOVIKOV, F.S., kandidat tekhnicheskikh nauk; OSETSKIY, V.M., kandidat tekhnicheskikh nauk; OSTROUMOV, G.A.; PONOMARENKO, Yu.F., kandidat tekhnicheskikh nauk; RAKOVSKIY, V.S., kandidat tekhnicheskikh nauk; REGIRER, Z.L., inzhener; SOKOLOV, A.N., inzhener; SOSUNOV, G.I., kandidat tekhnicheskikh nauk; STEPANOV, V.N., professor; SHEMAKHANOV, M.M., kandidat tekhnicheskikh nauk; EL'KIND, I.A., inzhener; YANUSHEVICH, L.V., kandidat tekhnicheskikh nauk; BOKSHITSKIY, Ya.M., inzhener, redaktor; ~~BULATOV, S.B.~~, inzhener, redaktor; GASHINSKIY, A.G., inzhener, redaktor; GRIGRO'YEV, V.S., inzhener, redaktor; YEGURNOV, G.P., kandidat tekhnicheskikh nauk, redaktor; ZHARKOV, D.V., dotsent, redaktor; ZAKHAROV, Yu.G., kandidat tekhnicheskikh nauk, redaktor; KAMINSKIY, V.S., kandidat tekhnicheskikh nauk, redaktor; KOMARKOV, Ye.F., professor, redaktor; KOSTYLEV, B.N., inzhener, redaktor; POVAROV, L.S., kandidat tekhnicheskikh nauk, redaktor; ULINICH, F.R., redaktor; KLORIK'YAN, S.Kh., otvetstvennyy redaktor; GLADILIN, L.V., redaktor;

(Continued on next card)

HEYLINA, TS.O. --- (continued) Card 2.

RUPPENEYT, K.V., redaktor; TERPIGOREV, A.M., glavnnyy redaktor;
BARABANOV, F.A., redaktor; BARANOV, A.I., redaktor; BUCHNEV, V.K.,
redaktor; GRAFOV, L.Ye., redaktor; DOKUKIN, A.V., redaktor; ZADEMID-
KO, A.N., redaktor; ZASYAD'KO, A.F., redaktor; KRASNIKOVSKIY, G.V.
redaktor; LETOV, N.A., redaktor; DISHIN, G.L., redaktor; MAN'KOV-
SKIY, G.I., redaktor; MEL'NIKOV, N.V., redaktor; ONIKA, D.G.,
redaktor; OSTROVSKIY, S.B., redaktor; POKROVSKIY, N.M., redaktor;
POLSTYANOY, G.N., redaktor; SKOCHINSKIY, A.A., redaktor; SONIN,
S.D., redaktor; SPIVAKOVSKIY, A.O., redaktor; STANCHENKO, I.K.,
redaktor; SUDOPLIATOV, A.P., redaktor; TOPCHIYEV, A.V., redaktor;
TROYANSKIY, S.V., redaktor; SHEVYAKOV, L.D., redaktor; BYKHOV-
SKAYA, S.N., redaktor izdatel'stva; ZAZUL'SKAYA, V.F., tekhniches-
kiy redaktor; PROZOROVSKAYA, V.L., tekhnicheskiy redaktor.

[Mining; an encyclopedic handbook] Gornoe delo; entsiklopedicheeskii
spravochnik. Glav.red. A.M. Terpigorev. Chleny glav.red. F.A. Bara-
banov i dr. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po ugol'noi
promyshl'. Vol.1. [General engineering] Obshchie inzhenernye
svedeniya. Redkollegiia toma S.Kh. Klorik'ian i dr. 1957. 760 p.
(Mining engineer'ing) (MLRA 10:10)

BULATOV, S.B.; KARLIN, N.M.

International conference on measuring the rate of flow in open
channels and waterways. Izm.tekh. no.3:59-61 Mr 60. (MIRA 13:6)
(Stream measurements--Congresses)

BULATOV, S.B.; KIVILIS, S.S.; NEMIROVSKIY, A.S.

Measurement of a pulsating gas flow. Izm.tekh. no.11:57
58 N '61. (MIRA 14:11)
(Flowmeters)

KRUTIKOV, I.P., doktor tekhn. nauk, prof.; VOROB'YEV, N.V.,
doktor tekhn. nauk, prof., retsenzent; BULATOV, S.I.,
inzh., red.

[Excavators] Ekskavatory. Moskva, Mashinostroenie, 1964.
391 p. (MIRA 17:10)

BULATOV, S.N.

Calculation of the rate of flow and the duration of phases in
apparatus with two-phase streams. Khim. prom. 40 no.12:887-890
D '64.
(MIRA 18:2)

BULATOV, S.N.

Principal factors determining the beginning of spring movement of
ice on rivers. Meteor.i gidrol. no.2:34-37 F '52. (MLRA 8:9)
(Ice on rivers, lakes, etc.)

BULATOV, S. N.

Subject : USSR/Meteorology and Hydrology AID P - 1867
Card 1/1 Pub. 71-a - 10/25
Author : Bulatov, S. N.
Title : On some possible forecasting of river break-up
Periodical : Met. i gidro., no.2, 33-35, 1955
Abstract : The author discusses the influence of ground water on the break-up of rivers and states that the greater the influx and, therefore the higher the water level in the river - the sooner the break-up occurs. He analyzes the break-ups of the Dnepr, Volga and Tym' (Sakhalin Island) rivers and presents the possibility of an accurate forecasting of the time of the break-up. One diagram, 1 Russian reference, 1954.
Institution: None
Submitted : No date

BULATOV, S. N.

"Probable Variation of Dates of Ice Break at the Lower Volga As Related To
The Equipment of Stalingrad GES".
Tr. Tsentr. in-ta Prognozov, No 40, pp 62-69, 1955)

The control of the Volga water level by the reservoir of Stalingrad GES will raise the water level in winter. The dependence of ice break on the Volga near Chernyy Yar (220 km below Stalingrad GES) is plotted according to data collected from 1892 to 1954. (RZhFiz, No 11, 1955)

SO: Sum No 884, 9 Apr 1956

BULATOV, S.N.

PIOTROVICH, V.V.; BULATOV, S.N.

An apparatus for the exact measurement of the accumulation of ice
on basins. Meteor.i gidrol. no.10:39-41 O '57. (MIRA 10:11)
(Ice on rivers, lakes, etc.) (Meteorological instruments)

BULATOV, S.N., Cand Tech Sci -- (diss) "The Study of the effect of river sludge ice on the riverbed on the thickness of the ice cover in connection with the freezing of rivers." Nos, 195*. 8 pp (Main Administration of Hydrometeorological Service of the Council of Minister. USSR. Central Institute of Foremores), 150 copies (IL, 43-58, 116)

SCV-98-58-2-12/21

AUTHOR:

Bulatov, S.N., Engineer

TITLE:

The Correlation Between the Process of Ice Accumulation and
the Winter Water Level of the River Below the Hydroelectric
Power Plant (Svyaz' protsess na rastaniya l'da s zimney vod-
nost'yu reki nizhe GES)

PERIODICAL:

Gidrotekhnicheskoye stroitel'stvo, 1958, Nr 2, pp 44-47 (USSR)

ABSTRACT:

The main source of warmth coming to the lower surface of ice during the winter is subsurface water entering the river. The inflow of underground waters and its warming effect during the winter depends on the height of the river's water level. The warming effect can be noticed for hundreds of kilometers. As the level increases, the pressure of the underground waters decreases and so does the amount of water in the given part of the river. It can be expected that the thickness of the ice will be greater, the smaller the inflow of underground water. Sludge in the river bed also has a great influence on the accumulation of ice. The author deals in detail with sludge in the river bed, with the cooling off of the influx due to sludge and ice debris, with stationary ice and how it forms particularly in parts of the river below the GES, and with the winter levels of the Volga below Stalingrad after the

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AUTHORS: Planovskiy, A. N., Bulatov, S. N. SOV/156-58-4-49/49

TITLE: On the Problem of Experimental Determination of the Drop Size During Investigations of Extraction Columns With Filter Plates
(K voprosu ob eksperimental'nom opredelenii razmera kapel' pri issledovanii raboty ekstraktsionnykh kolonn s sitchatymi tarelkami)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya tekhnologiya, 1958, Nr 4, pp 804-809 (USSR)

ABSTRACT: For an investigation of the hydrodynamic conditions while working on extraction columns with filter plates and for the determination of the equivalent drop size diameter the following two methods were suggested: the electromechanical and the oscillograph methods. For determining the drop size according to the electronechanical method, a special apparatus was used; the respective scheme is given in table 1. The electric arrangement is schematically indicated (2). The apparatus is suitable for determining the drop size under constant and varying frequency of the drop formation to a frequency range of 20-25 cycles. For the calculation of the equivalent diameter of the drops, the following formula (2) is suggested:

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SOV/156-58-4-49/49

On the Problem of Experimental Determination of the Drop Size During Investigations of Extraction Columns With Filter Plates

$$d_{\text{equivalent}} = \sqrt[3]{\frac{6Qt}{\pi n}} = 1.240 \sqrt[3]{\frac{Qt}{n}} \quad [\text{cm}]$$

The advantages of the electromechanical method are the great precision in determining the size of drops and the possibility of working on dyed liquids. A disadvantage of this method is the fact that only liquids of different electric conductivities may be used. The oscillograph method permits an exact determination of the drop size, of the period of drop formation, of the equivalent diameter of drops as well as of the frequency of the drop formation. Formula (3) is suggested for measuring the frequency of the drop formation $\nu [1/\text{sec}]$:

$$\nu = \frac{m}{t} = \frac{m}{at^2} \quad [1/\text{sec}] \quad (3) \quad T = \frac{t}{m} = \frac{at^2}{m} = \frac{1}{\nu} \quad [\text{sec}] \quad (4)$$

The formation period of the drops is calculated according to formula (4) by means of the recorded oscillograms. The equivalent diameter of the drops is calculated according to formula (8). The sliding oscillograph (MPO-2) may be used instead of the cathode oscillograph. The suggested methods are

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